MISSISSIPPI STATE DEPARTMENT OF HEALTH 2013 MAY 23 PM 3: 40 BUREAU OF PUBLIC WATER SUPPLY

CCR CERTIFICATION FORM CALENDAR YEAR 2012 PASS CHRISTIAN PWS ID MS0240066 Public Water Supply Name

List PWS ID #s for all Community Water Systems included 1n this CCR

The Federal Safe Drinking Water Act (SDWA) requires each Community public water system to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR. Since this is the first year of electronic delivery, we request you mail or fax a hard copy of the CCR and Certification Form to MSDH. Please check all boxes that apply.

check all boxes that apply. Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other) Advertisement in local paper (attach copy of advertisement) On water bills (attach copy of bill) Email message (MUST Émail the message to the address below) Other ____ Date(s) customers were informed: CCR was distributed by U.S. Postal Service or other direct delivery. Must specify other direct delivery methods used _____ Date Mailed/Distributed: CCR was distributed by Email (MUST Email MSDH a copy) Date Emailed: As a URL (Provide URL as an attachment As text within the body of the email message CCR was published in local newspaper. (Attach copy of published CCR or proof of publication) Name of Newspaper:_____ Date Published: CCR was posted in public places. (Attach list of locations) Date Posted: CCR was posted on a publicly accessible internet site at the following address (DIRECT URL REQUIRED): http://totalenvironmentalsolutions.com/Forms/PassChristianCCR.pdf CERTIFICATION I hereby certify that the 2012 Consumer Confidence Report (CCR) has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the public water system officials by the Mississippi State Department of Health, Bureau of Public Water Supply. Kam Ansell, Manager of Compliance 5/20/2013 Name/Title (President, Mayor, Owner, etc.) Date

Deliver or send via U. S. Postal Service: Bureau of Public Water Supply P.O. Box 1700 Jackson. MS 39215

May be faxed to: (601)576-7800

May be emailed to: Melanie.Yanklowski@Jnsdh.state.ms.us

CORRECTED CCR

U.S. POSTAGE PAID BATON ROUGE, LA PERMIT NO. 1427 PRESORTED PIRES

900-866-3261 BATON ROUGE, LA 70896-4056 BATON ROUGE, LA 74056 BATON ROUGE, IA 74056





PASS CHRISTIAN SUBDIVISION Harrison County, MS PWS ID NO. MS0240066

2012 ANNUAL WATER REPORT

Prepared by: Total Environmental Solutions, Inc. P.O. Box 14056 Baton Rouge, LA 70898-4056

(800) 372-9712

NA-Not applicable.

were found to be positive.

Positive samples/month— Number of samples taken monthly that

NR—Monitoring not required, but recommended

Treatment Technique (TT) - a treatment technique is a required process intended to reduce the level of a contaminant in drinking Action Level (AL) - the concentration of a contaminant, that if exceeded, triggers treatment or other requirements that a water system must follow.

Maximum contaminant level (MCL) - the "Maximum Allowed" MCL is the highest level of a comaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible, using the best available treatment technology.

Maximum residual disinfectant fevel goal (MRDLG) - The level of dufining variet disinfectant below which there is no known or ex-pected risk to health. MRDLG's on one treflect the benefits of the use of disinfectants to control microbial contaminants Maximum contaminant level goal (MCLG) - the "Goal" is the level of a contaminant in draiting water below which there is no known or expected risk to human health. MCLG's allow for a margin of safety. dence that addition of a disinfectant is necessary for control of mi-Maximum residual disinfectant level (MRDL) - the highest level of a disinfectant allowed in drinking water. There is convincing evi-

In the table below you will find many terms and abbreviations you may not be familiar with. To help you better understand these terms, we've provided the following definitions:

Parts per billion (ppb) or Micrograms per liter (ugil.) - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000. Parts per million (ppm) or Milligrams per liter (mg/L) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Non-Detects (ND)- laboratory analysis indicates that the constituent is not present

PASS CHRISTIAN Corrected CCR Harrison County, Mississippi Public Water Supply I.D. No. MS6240066

The Water We Drink - Total Environmental Solutions, Inc. (TESI) is pleased to present our Annual Water Quality Report for the year 2012. This report is designed to inform you about the quality of your water and the services we deliver to you every day.

is My Water Safo? Yes, last year your tap water met all U.S. EPA and state dinnking water standards. TESI diligently safeguards its water supplies and once again we are proud to report that our system has not violated a maximum contaminant level (MCL) or any other drinking water quality standards.

Do I need to take any special precautions? Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergoing organ transplants, people with HIV/Aids or other immune system disorders, some elderly, and infants can be particularly at his for infections. These people should seek educe about drinking water from their health care provides. EPA/CDC guidelines on appropriate means to fession the risk of infection by Cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hottine at (800) 426-4791.

Where does my Weter come from? The water sources for Pass Christian are as follows: Well No. 924066-01, School Street, Graham Ferry Formation; Well No. 024066-03, 3º Avenue, Microena Aquitier System

Source Water Assessment and its availability - A Source Water Assessment Plan (SWAP) is available from the Mississippi State Department of Health for this system. This Plan is an assessment of a delineated area around our listed source through which contaminants, if present, could migrate and reach our source water. It also includes an inventory of potential sources of contamination within the delineated area, and a determination of the water supply's susceptibility to contamination by the identified potential sources.

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Why are there contaminant is my Drinking Water? Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some confarriments. The presence of contaminants does not necessarily indicate that the water pose a health risk. More information about contaminants and potential health effects can be obtained by celling the Environmental Protection Agency's (EPA) Safe Drinking Water Hottine (800-426-4791). The sources of drinking water (both tag and bottled) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally contaminants and in some cases, rad out-on-manual events and activities and bacteria, that may come from sewage treatment plants, septic systems, agricultural investors, operations, and widdle. Inorganic contaminants, such as a six and metals, which can be industrially processes whether all the relative to enturing a travel of sources such as agriculture, unbar storm water runoff, and residential investor in the processor of provide the same protection for public health.

How can I get involved? In order to maintain a sale and dependable water supply, we sometimes need to make improvements that will benefit all our customers. If you have a particular question about your water supply, please contact Brannan Corley @ 800-866-3561.

Additional Information for Lead - If present, elevated levels of fead can cause serious health problems, especially for pregnant women and young children. Load in drinking water is primarily from materials and components associated with service lines and home plumbing. The Pass Christian Water supply is responsible for providing high qualify drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Holline or at https://www.npn.gov/safe.vajez.etm. The Mississippi State Department of Health Public Health Laboratory offers lead tosting for \$10 per sample. Please contact (601) 576-7582 if you wish to have your water fested.

Monitoring & Reporting of Compliance Data Violations
We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an inducator of whether or not your drinking water meets health standards.

Beginning January 1, 2004, the Mississippi State Department of Health (MSDH) required public water systems that use offence as a primary disinfectant to monitorities for chlorine residuals as required by the Stage 1 Disinfection By-Products Rule. We did complete the monitoring requirements and found no Maximum Residual Disinfectant Level (MRDL) violations.

Residuals							
	Samolina Periosi	Renge (Low/High)	MCL RAA*	Units	RAA Date	RAA Your Water	
		The state of the s					Typical Source
Chlorine	Jan-Dec 2012				~~~		
		0.28 0.71		mg/L	2012	1.00	
							Water add two used to control microbes
					******		Tree bearing and to come process
*RAA = Running Annual Ay							

-	TT Violation	Explanation	Duration of violation	Corrective Actions	*Health Effects Language
	Ground Water Rule	Failure to Take Corrective			inadequately treated water may contain disease-causing organisms
		Action Within Required			These organisms include bacteria, viruses, and parasites, which can cause
1		Timeline		agreement and/or corrected	symptoms such as nauses, eramps, diarrhea, and associated headaches.
	continues to the contraction of	hw		the deficiency.	

- Significant Deficiencies: During a sanitary survey conducted on 2/23/2011, MSDH cited the following significant deficiency(s) and corrective actions:

 Improperly constructed well (not properly grouted): This system is currently under a Bilateral Compliance Agreement with MSDH to correct this deficiency by 10-15-2012.

 Inadequate internal cleaning/maintenance of storage tanks: This system is currently under an Administrative order to correct this deficiency by 10-15-2010.

 Well in flood zone (100 year): This system is currently under an Administrative order to correct this deficiency by 10-15-2012.

The water system was tested a minimum of one (1) monthly sample in accordance with the Total Coliforn Rule. During the monitoring period covered by this report, the following detections were noted: There were NO positive bacteriological samples during the monitoring period of January 1st to December 31st, 2012.

Radionuclides - No violations were detected in the results for the Calendar Year 2012,

In the table below, we have shown the drinking water contaminants that were detected during the celeridar year of this report. The presence of contaminants does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done during the catendar year of this report. The EPA or the State required us to monitor for contaminant less than once per year because the concentrations of these contaminants do not change frequently.

F			**********						
) DB	P Contaminants	ts Sample Date		Date	MCL	Unit	Your Water	Violation	Typical Source
	thanes, Total (TTHM)		7/17/2		80	ppb	19.1	No	By-product of drinking water disinfection
Hateaceti	c Acids, Total (HAA5)	L	7/17/2)12	60	ppb	16.0	No	By-product of drinking water de-infection
	Date	MCL	Unit	Your Water	Violation	. T	******************************	Pose	ible Causes
Lead	2010/2012	15	opb	3.0	No		Соло		19 systems; erosion of natural deposits
Copper	2010/2012	1.3	pan	0.2	No	1			on of natural deposits: leaching from wood preservatives

								-4
			-					
	Nitrates	Sample Date	MCL.	Units	Your Water	Violation	Typical Source	ł
	Nitrate (as N)	0/2/2010						1
- 1	1461900 (85.14)	6/2/2012	10	onm	< 0.03	i No i	Runoff from fertilizer use: leaching from septic tanks; sewage; crosson of natural deposits	1
- 1	Nitrate Nitrite (as N)	6/2/2012	10					
- 3	110000 10000 (00 11)	0/2/2012	1 10 1	DOM:	i <0.1 i	l Na i	Burnell from facilities upo lambing from gardy tests, and the second and a start of the	1

	,		****			
Inorganics	Sample Date	MCL.	Unit	Your Water	Violation	Tyolcal Source
Barium (Well 03)	May 18, 2011	,		0.003682	No	
Barium (Well 02)	1888y 10, 2011	٠,	bbut	0.0102	110	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Cadmium (Well 02)	May 18, 2011	0.1	ppm	0.001256	No	Corrosion of galvanized pipes, erosion of netural dispositic discharge from metal respenses, runoff from waste batteries and points
Fluoride (Well 03)	May 18, 2011			0.369	No	
Fluorido (Well 02)	May 10, 2011	4	ppm	0.154	No	Erosion of natural deposits, waxin additive which exomoles strong teeth; discharge from tertilizer & aluminum factories
Selenium (Well 03)	May 18, 2011	0.05	com	0.0025	No	Disensings from periodeum & metal refloeries; erosion of netural deposits; discharge from minor;
		**********			L	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

"April, 2013 MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING""

In accordance with the Radionucides Rule, allocumularly public water supplies were required to sample quarterly for radionuclides beginning January 2007. December 2007. Your public water supply completed sampling by the scheduled deadling; however, during an audit of the Mississippi State Department of Health Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until turther notice. Although this waenot the result of inaction by the public water supply. MSDH was required to issue a violation. This is to notify you that as of this date, your water system has completed the monitoring requirements and is now in compliance with the Radionuclides Rule, if you have any questions, please contact. Karen Walters, Director of Compliance & Enforcement, Bureau of Public Water Supply, at (601)576-7518

Thank you for ellowing us to continue to provide your family with clean, quality safe drinking water this year. In order to maintain a safe and dependable water supply, we sometimes need to make improvements that will benefit all of our customers. Please call our office if you have any questions.

We at TESI, work around the clock to provide top quality drinking water to every tap of every customer of the Pass Christian Water System. We ask that all our customers help us to protect and conserve our water sources, which are the heart of our community, our way of life, and our children's future.

RECEIVED-WATER SUPPLY

PASS CHRISTIAN Corrected CCR Harrison County, Mississippi Public Water Supply I.D. No. MS0240066

2013 MAY 23 PM 3: 4!

The Water We Drink - Total Environmental Solutions, Inc. (TESI) is pleased to present our Annual Water Quality Report for the year 2012. This report is designed to inform you about the quality of your water and the services we deliver to you every day.

Is My Water Safe? Yes, last year your tap water met all U.S. EPA and state drinking water standards. TESI diligently safeguards its water supplies and once again we are proud to report that our system has not violated a maximum contaminant level (MCL) or any other drinking water quality standards.

Do I need to take any special precautions? Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/Aids or other immune system disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care provides. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791.

> Where does my Water come from? The water sources for Pass Christian are as follows: Well No. 024066-01, School Street, Graham Ferry Formation; Well No. 024066-02, Parkview Lake, Graham Ferry Formation; Well No. 024066-03, 3rd Avenue, Miocene Aquifer System

Source Water Assessment and its availability - A Source Water Assessment Plan (SWAP) is available from the Mississippi State Department of Health for this system. This Plan is an assessment of a delineated area around our listed source through which contaminants, if present, could migrate and reach our source water. It also includes an inventory of potential sources of contamination within the delineated area, and a determination of the water supply's susceptibility to contamination by the identified potential sources.

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How can I get involved? In order to maintain a safe and dependable water supply, we sometimes need to make improvements that will benefit all our customers. If you have a particular question about your water supply, please contact Brannan Corley @ 800-866-3561.

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A Message from MSDH Concerning Radiological Sampling

In accordance with the Radionuclides Rule, all community public water supplies were required to sample quarterly for radionuclides beginning January 2007 - December 2007. Your water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice.

Monitoring & Reporting of Compliance Data Violations

We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards.

Beginning January 1, 2004, the Mississippi State Department of Health (MSDH) required public water systems that use chlorine as a primary disinfectant to monitor/test for chlorine residuals as required by the Stage 1 Disinfection By-Products Rule. We did complete the monitoring requirements and found no Maximum Residual Disinfectant Level (MRDL) violations.

Residuals	Sampling Period	Range (L	ow/High)	MCL RAA*	Units	RAA Date	RAA Your Water	Typical Source
Chlorine	Jan-Dec 2012	0.28	0.71	4.0	mg/L	2012	1.00	Water additive used to control microbes
*RAA = Running Annual	Average		•		1 9			Water additive used to control microbes

TT Violation	Explanation	Duration of violation	Corrective Actions	*Health Effects Language
Ground Water Rule	Failure to Take Corrective Action Within Required Timeline		The system has entered into a bilateral compliance agreement and/or corrected the deficiency	Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites, which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

- Significant Deficiencies: During a sanitary survey conducted on 2/23/2011, MSDH cited the following significant deficiency(s) and corrective actions:

 1. Improperly constructed well (not properly grouted): This system is currently under a Bilateral Compliance Agreement with MSDH to correct this deficiency by 10-15-2012.
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DDD 0		7				
DBP Contaminants	Sample Date	MCL	Unit	Your Water	Violation	Typical Source
Trihalomethanes, Total (TTHM)	7/17/2012	00				Typical Source
	7/17/2012	80	ppb	19.1	l No l	By-product of drinking water disinfection
Haloacetic Acids, Total (HAA5)	7/17/2012	60	nnh	16.0	11	
The state of the s	171172012	00	ppb	10.0	No	By-product of drinking water disinfection

Nitrates	Sample Date	MCL	Units	Your Water	Violation	Typical Source
Nitrate (as N)	6/2/2012	10	ppm	< 0.08	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits
Nitrate Nitrite (as N)	6/2/2012	10	ppm	< 0.1		Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits

Inorganics	Sample Date	MCL	Unit	Your Water	Violation	Typical Source
Barium (Well 03)	May 18, 2011	2		0.003682	No	
Barium (Well 02)	Way 10, 2011	2	ppm	0.0102		Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Cadmium (Well 02)	May 18, 2011	0.1	ppm	0.001256	No	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints
Fluoride (Well 03)	May 10 2011			0.369	No	
Fluoride (Well 02)	May 18, 2011	4	ppm	0.154	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer & aluminum factories
Selenium (Well 03)	May 18, 2011	0.05	ppm	0.0025	No	Discharge from petroleum & metal refineries; erosion of natural deposits; discharge from mines

*****April, 2013 MESSAGE FROM MSDH CONCERNING RADIOLOGICAL SAMPLING*****

In accordance with the Radionuclides Rule, all community public water supplies were required to sample quarterly for radionuclides beginning January 2007- December 2007. Your public water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice. Although this was not the result of inaction by the public water supply, MSDH was required to issue a violation. This is to notify you that as of this date, your water system has completed the monitoring requirements and is now in compliance with the Radionuclides Rule. If you have any questions, please contact Karen Walters, Director of Compliance & Enforcement, Bureau of Public Water Supply, at (601)576-7518.

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